

Purification of Circulating Water from Gas Cleaning Installations
of Blast Furnaces Smelting Ferromanganese

SOV/133-59-6-40/41

cleaning water from ferromanganese furnaces should be done in two stages, door pond and clarifiers, in which the velocity of the ascending water should not exceed 0.8 mm/sec. There are 3 figures and 2 references, 1 of which is Soviet and 1 German.

ASSOCIATION: Institut Vodgeo (The Institute Vodgeo)

Card 2/2

KLYACHKO, V.A.; APEL'TSIN, I.E.; Prinimali uchastiye: PAVLOV, G.D.;
MIRKIS, I.M.; TURCHINOVICH, V.T., prof., retsenzent;
KASTAL'SKIY, A.A., prof., doktor tekhn. nauk, nauchnyy red.;
SMIRNOVA, A.P., red.izd-va; GOL'BERG, T.M., tekhn. red.

[Preparation of water for industrial and municipal water supply] Podgotovka vody dlja promyshlennogo i gorodskogo vodo-snabzhenija. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.i stroit. materialam, 1962. 818 p. (MIRA 16:3)
(Water--Purification)

PAVLOV, G.D., kari. tekhn. nauk

Clarification of water in hydro. zones. Vol. I sam. tekhn. nauk
10-14 Ja 1964 (MIRA 18:2)

L 00767-67 EWT(m)

ACC NR: AP6005983 (A)

SOURCE CODE: UR/0327/65/000/010/0025/0029

AUTHOR: Pavlov, G. D. (Candidate of Technical Sciences; Ashkhabad); Medvedev, I. N. (Engr.; Ashkhabad).

ORG: none

22
B

TITLE: Desalinization of water by the crystal hydrate method

SOURCE: Vodosnabzheniye i sanitarnaya tekhnika, no. 10, 1965, 26-29

TOPIC TAGS: sea water desalting, propane, crystal hydrate

ABSTRACT: In the last two years, the crystal hydrate method of desalinizing water, based on the preparation of propane crystal hydrates $C_3H_8 \cdot 17H_2O$, has been studied at the Vodgeo Institute. The studies showed this method to be applicable to sea water or ground waters high in salt. The conditions of formation of propane crystal hydrates were investigated under laboratory conditions, and a phase diagram was plotted for the two-component system propane-water at different concentrations of NaCl in the water. An efficient method of desalinizing the propane crystal hydrates involves pressing of the mixture (39 kg/cm²) and simultaneous washing of the crystals with the fresh water formed by the melting of a part of the crystals. Energy equivalent to 2.5 kWhr is expended in this process per 1 m³ of fresh water. The addition of the surfactant sulfonol increased the yield of fresh water by 10 to 15%. Orig. art. has: 5 figures, 1

Cord 1/2

UDC: 628.173.548.562

BORTSOVA, M.P.; GAMAYUNOVA, P.B.; POPLAVSKAYA, A.V.; SHPICHKO, N.P.;
PAVLOV, G.D.; PODUNOVA, A.T.; LOVA, N.I.; ALEKSANDROVA, R.P.;
ATARUKOV, A.G.; VOROB'YEVA, Ye.I.; GAN'YANTS, E.M.; GELLER, D.Ya.;
PARSHINA, M.A.; PILIKA, R.A.; CHUVELIAYEVA, Ye.S.

Selecting demulsifiers for crude oils processed in Groznyi refineries.
(MIRA 12:9)
Trudy GrozNII no.4:17-26 '59.

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut (GrozNII)
(for Pavlov, Podunova, Lova).
(Groznyi--Petroleum--Refining)

BORTSOVA, M.P.; PAVLOV, G.D. [deceased]; FILINA, R.A.; MARTIROSOV, R.A.;
SHPICHKO, N.P.; REVEZA, M.I.

Plant experiments in the demulsification of Ozek-Suat oil and
the preparation of demulsifiers. Trudy GrozNII no. 15:34-41 '63.
(MIRA 17:5)

RAKITA, S.A.; IAKOV, G.F.

Estimating the intensity of snow drifts in the northeast of the
U.S.S.R. Trudy SVKNII no.2:3-4/ '63.
(MIRA 18:)

MODZALEVSKIY, A. I., inzh.; PAVLOV, G.G., inzh.

Experimental investigation of pressure distribution
under waves through the depth of the stream. Mauch.
zap. MIIVKH 21:354-362 '59. (MIRA 13:8)
(Waves) (Hydrostatics)

Pavlov, G.G.

USSR/ Engineering - Industrial tools

Card 1/1 Pub. 103)- 9/22

Author(s) : Litvin, F. L. and Pavlov, G. G.

Title : Attachment for threading of oval-shaped cog wheels

Periodical : Stan. i instr. 2, 26-29, Feb 1954

Abstract : The development and successful employment of a special attachment for the threading of oval-shaped cog wheels is reported. The technical characteristics and the advantages of the new attachment are described. Three USSR references (1950-1953). Drawings; illustrations.

Institution :

Submitted :

PAVLOV, G. S., Cand Tech Sci (diss) -- "Investigation and computations of effluent waves in open input channels of hydroelectric plants, taking into account the features of derivation". Moscow, 1960. 12 pp (Moscow Inst of Water Economy Engineers im V. P. Vil'yams), 150 copies (KI, No 11, 1960, 133)

PAVLOV, G.G.; FADYEV, N.K.

Some characteristics of the wear caused by dry friction. Trudy
LPI no.236:32-37 '64. (MIRA 18;3)

LITVIN, F.L.; PAVLOV, G.G.; SHRAYMAN, I.B.; YABLONSKIY, N.S.;
ZISKINDOVICH, V.A.; SHALYUGA, N.I., red.

[Gear-cutting machines for cutting noncircular gear wheels]
Zubonareznye stanki dlia narezaniia nekruglykh koles. Le-
ningrad, 1964. 20 p. (Leningradskii dom nauchno-tehniches-
koi propagandy. Obmen peredovym opyтом. Seriia: Mekhaniche-
skaia obrabotka metallov, no.1) (MIRA 17:7)

14(6)
AUTHOR:

Pavlov, G.G., Engineer

SOV/98-59-4-11/1

TITLE:

Determining the Excessive Water Level in a GES
Drainage System With an Overflow (Opredeleniye
vysoty podpornoy volny v derivatsii GES pri nalichii
sloiva)

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1959, N^o 4, pp
43-45 (USSR)

ABSTRACT:

The article presents a graphic estimate for the determination of the excessive water level in a GES drainage system with an overflow. The estimate was checked both theoretically and experimentally by the Gidraulicheskaya laboratoriya Moskovskogo instituta inzhenerov vodnogo khozyaystva imeni V.R. Vil'yamsa (Hydraulic Laboratory of the Moscow Institute for Water Engineers imeni V.R. Vil'yams) under the guidance of Doctor of Technical Sciences, Professor D.Ya. Sokolov. Several of the formulae proposed have been already quoted by I.V. Yegiazarov and N.A. Rzhanitsyn. A semi-empiric formulae of Ye.Fayfel.

Card 1/2

Determining the Excessive Water Level in a GES Drainage System
With an Overflow

SOV/98-59-4-11/17

for quiet flows was also applied. The tests carried out by the above institute consisted of experiments with a water-filled trough 7.5 m in length and 0.75 m in width, with overflows of 0.45 and 0.225 m in length. The maximum divergence between the theoretical and experimental data amounted to 6.5%, the average being 2.1%. There are 3 graphs, 1 table, and 3 Soviet references.

Card 2/2

GRETSOV, N.A., kand.tekhn.nauk; PAVLOV, G.G., kand.tekhn.nauk

Water pumping from deep wells making use of the phenomena of
negative water hammer. Izv.TSKHA no.4:181-192 '62.

(MIRA 15:12)

(Water hammer)

(Pumping machinery)

GRETSOV, N.A., kand.tekhn.nauk; PAVLOV, G.G., kand.tekhn.nauk

Recording the pressure of water hammer in a pipeline. Izv.TSKHA
no.4:236-239 '62. (MIRA 15:12)
(Water hammer) (Pipelines)

PAVLOV, G.G., inshener

Analyzing the formation of a surge in the derivation canal
of a hydroelectric power station ending in the forebay.
Nauch. zap. MIIVKH 21:154-171 '59. (MIRA 13:8)
(Hydroelectric power stations)

PAVLOV, G.G., inzh.

Laboratory method of recording the water level during
wave motion. Nauch.zap. MIIVKH 21:312-316 '59.

(MIRA 13:8)

(Waves) (Hydraulics)

LITVIN, P.L.; PAVLOV, G.G.

Machine for cutting non-circular gears. Stan. i instr. 25 no.2:26-29
P '54. (MLRA 7:5)

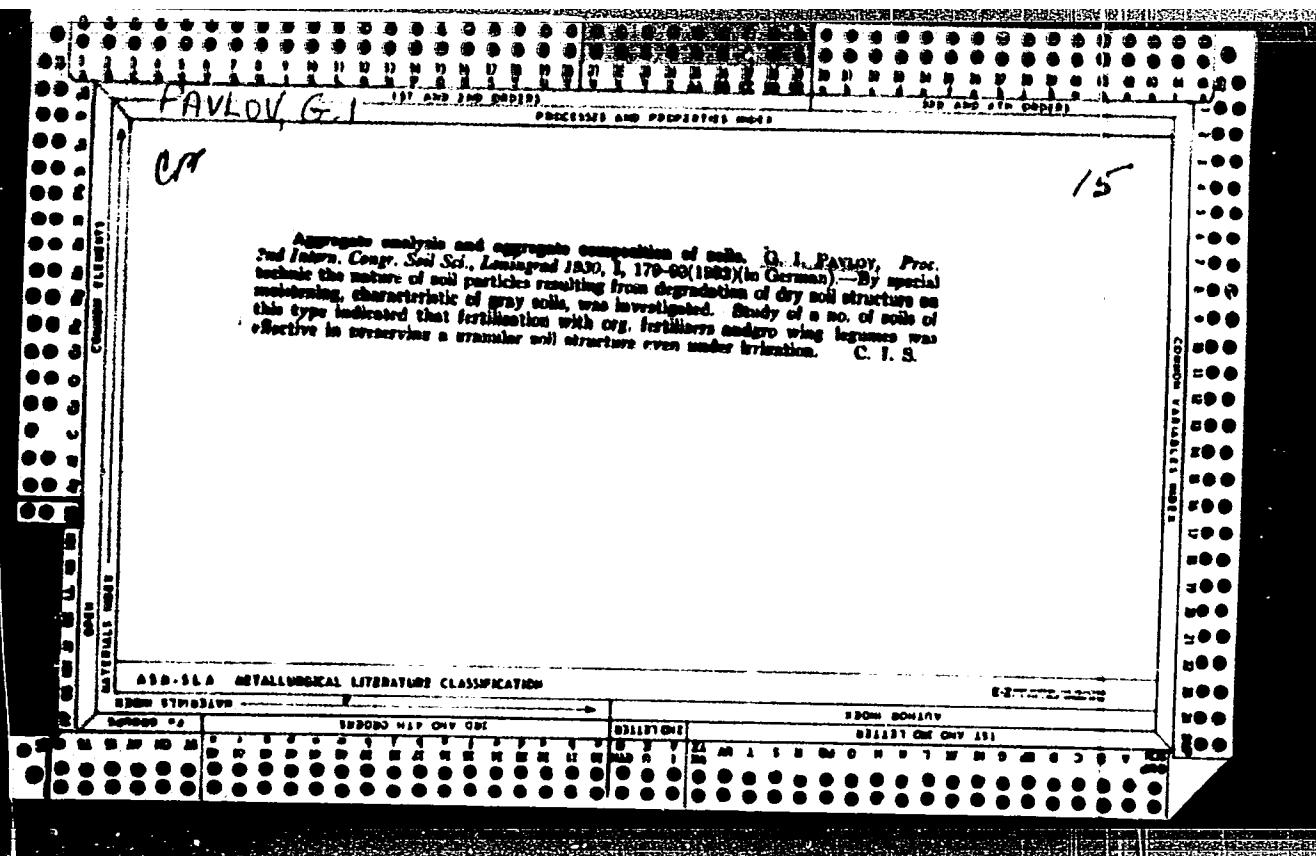
(Gear-cutting machines)

LITVIN, F. L.; PAVLOV, G. S.

Gear-Cutting Machines

Rebuilding gear-cutting machine for cutting teeth in blank gear blanks. U.S.S.R. i instr. 24, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress., June 1953, Uncl.



PAVLOV, V. I.

Fertilizers and Manures

Scientific institutions helping farm practice: Institute of Fertilizers, Scientific Farming, and Soil Management. Kolkhoz prizv 12 n. 1, 1952.

Monthly List of Russian Acquisitions, Library of Congress, June 1, 1952, p. 1.

BENEDIKTOV, I.A., redaktor; GRITSENKO, A.V., redaktor; IL'IN, M.A., zamestaniy redaktora; LAPTEV, I.D., LISKUN, Ye.F., LOBANOV, P.P., glavnnyy redaktor; LYSENKO, T.D., SKRYABIN, K.I., STOLETOV, V.N.; PAVLOV, G.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAYEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, N.P., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHESTAKOV, A.G., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMKLOV, S.P., professor, doktor biologicheskiy nauk, nauchnyy redaktor; EDELSHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHESRBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOLEVETS, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, nauchnyy redaktor; YEKIMOV, V.P., agronom, nauchnyy redaktor [deceased]; BYTINGEN, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFEEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.U., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor

(Continued on next card)

BENEDIKTOV, I.A.---- (continued) Card 2.

GRABEN', L.K., akademik, nauchnyy redaktor; NIKOLAYEV, A.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; RED'KIN, A.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SMETNEV, S.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; PQPOV, I.S., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; MANTYFEL', P.A., professor nauchnyy redaktor; INIKHOV, G.S., professor, doktor khimicheskikh nauk, nauchnyy redaktor; ANPIMOV, A.N., professor, nauchnyy redaktor; GUBIN, A.F., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POLTEV, V.I., professor, doktor veterinarnykh nauk, nauchnyy redaktor; LINDE, V.V., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; CHERGAS, B.I., professor, doktor biologicheskikh nauk, nauchnyy redaktor; NIKOL'SKIY, G.V., professor, nauchnyy redaktor; AVTOKRATOV, D.M., professor, doktor veterinarnykh nauk, nauchnyy redaktor; IVANOV, S.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; VIKTOROV, K.P., professor, doktor veterinarnykh nauk, nauchnyy redaktor; KOLYAKOV, Ya.Ye., professor, doktor veterinarnykh nauk, nauchnyy redaktor; ANTIFIN, D.N., professor, doktor veterinarnykh nauk, nauchnyy redaktor; MARKOV, A.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; DOMRACHEV, G.V., professor, doktor veterinarnykh nauk, nauchnyy redaktor; OLIVKOV, B.M., professor, doktor veterinarnykh nauk nauchnyy redaktor [deceased]; PLEGMATOV, N.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; BOLTINSKIY, V.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; VIL'YAMS, Vl.P., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; KRASNOV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;

(Continued on next card)

BISKEDIKTOV, I.A.---(continued) Card 3.

YEVREINOV, M.G., akademik, nauchnyy redaktor; SAZONOV, N.A., doktor tekhnicheskikh nauk, nauchnyy redaktor; NIKANDROV, B.I., inzhener, nauchnyy redaktor; KOSTYAKOV, A.N., akademik, nauchnyy redaktor; CHERKASOV, A.A., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; IVANOV, N.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; ORLOV, P.M., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor, LOZA, G.M., kandidat ekonomiceskikh nauk, nauchnyy redaktor; CHERNOV, A.V., kontrol'nyy redaktor; ZAVARSKIY, A.I., redaktor; ROS-SOSHANSKAYA, V.A., redaktor; FILATOVA, N.I., redaktor; YEMEL'YANOVA, N.I., redaktor; SILIN, V.S., redaktor BRANZBURG, A.Yu., redaktor; MAGNITSKIY, A.V., redaktor terminov; KUDRYAVTSEVA, A.G., redaktor terminov; AKSENKOVA, A.P., mladshiy redaktor; MALYAVSKAYA, O.A., mladshiy redaktor; YEDOTOVA, A.F., tekhnicheskiy redaktor

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 4.

[Agricultural encyclopedia] Sel'skokhoziaistvennaia entsiklopediia.
Izd.3-e, perer. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.5. [T-IA.]
1956. 663 p. (MLRA 9:9)
(Agriculture—Dictionaries and encyclopedias)

Pavlov, G.I.

5-2-32/35

SUBJECT: USSR/Geology

AUTHOR: Pavlov, G.I.

TITLE: History of the Formation of Relief of the Dubna River Basin
(Istoriya formirovaniya rel'yefa basseyna reki Dubny)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel
Geologicheskiy, 1957, # 2, p 165 (USSR)

ABSTRACT: The Dubna River flows in the northern part of the Moskva region.
The territory of this river's basin is located at the contact
of the Klin-Dmitrov range and the Upper-Volga lowland.

The difference in the relief of the various sections of the
Dubna River valley is ascribed to a struggle between tectonics
and erosion during the Cretaceous period: Cretaceous layers
were lifted to a height of over 200 m above sea level as a re-
sult of tectonic activity, and this led to the origination of
the Klin-Dmitrov mountainous range. A hypothesis is put for-
ward that the Cretaceous layers in the region of the Upper-
Volga lowland were eroded by a pre-historic river, the pre-
Volga.

Card 1/2

5-2-32/35

TITLE: History of the Formation of Relief of the Dubna River Basin
(Istoriya formirovaniya rel'yefa basseyna reki Dubny)
No references are cited.

ASSOCIATION: Moscow Society of Investigators of Nature

PRESENTED BY:

SUBMITTED: On 15 October 1956

AVAILABLE: At the Library of Congress.

Card 2/2

~~PAVLOV, G.I.~~

History of relief formation of the Dubna basin. Biul. MOIP.
otd. geol. 32 no.2:165 Mr-Ap '57. (MIRA 11:3)
(Dubna Valley--Geology, Structural)

I 23673-66 FRD/FSS-2/EWT(1)/EFC(1)-2/ENA(d) TT/DD/RD/GW
ACC NR: AM015020 Monograph

UR/
65
63
B41

Yegorov, Aleksandr Vasil'yevich; Pavlov, German Ivanovich

Attention - weightlessness! (Vnimaniye - mevesomost') Kiev, Naukova dumka, 1965.
91 p. illus., biblio. 15,000 copies printed. Series note: Nauchno-populyarnaya
literatura

TOPIC TAGS: weightlessness, gravity, artificial satellite, spaceflight

PURPOSE AND COVERAGE: This pamphlet is intended for the general public. It discusses
the effects of weightlessness on humans based on the research of physiologists,
biologists and engineers and data obtained during flights of Soviet cosmonauts.
Photos and graphs are included.

TABLE OF CONTENTS:

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Enigma of gravity -- 9

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2

1 25673-66

ACC NR: AM6015020

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Card 2/3

1 25673-66

ACC NR: AM0015020

Designs of future artificial satellites (AFB) — 85.

Cosmonauts and artificial gravity — 86.

References — 93

SUB CODE: 01/ SUBM DATE: 29Oct65/ ORIG REF: 019

Card 3/3 dda

ANGELEYKO, V.I., prof.; GRIBANOV, V.G., inzh.; PAVLOV, G.I., inzh.

Plan of scientific work organization. Put' i put. khoz. 9 no.12:
28-29 '65.
(MIRA 19:1)

1. Nachal'nik Izymskoy distantsii puti Yuzhnay dorogi.

YEGOROV, Aleksandr Vasil'yevich; PAVLOV, German Ivanovich; TITCOVA,
N.M., red.

[Attention - weightlessness!] Vnimanie - nevesomost' !
Kiev, Naukova dumka, 1965. 91 p. (MIRA 19:1)

YUGANOV, Ye.M.; ISAKOV, P.K.; KAS'YAN, I.I.; AFANAS'YEV, D.V.; PAVLOV, G.I.

Motor activity of intact animals under the conditions of artificial gravity. Izv. AN SSSR. Ser. biol. no.3:455-460 My-Je '62.
(MIRA 15:6)

1. Institute of Normal and Pathological Physiology, Academy
of Medical Sciences of the U.S.S.R., Moscow.
(WEIGHTLESSNESS)
(GRAVITY---PHYSIOLOGICAL EFFECT)

27 2500

39457

S/216/62/000/003 002/002

I021/I221

AUTHOR Yuganov, Ye. M., Isakov, P. C., Kaciyan, I. I., Afanasyev, D. V and Pavlov, G. I

TITLE Motor activity of intact animals under conditions of artificial gravity

PERIODICAL Akademiya nauk SSSR. Izvestiya. Seriya Biologicheskaya, no 3, 1962, 455-460

TEXT: The minimal effective value of artificial gravity necessary to maintain the body posture and coordination of movements of mice and rats under conditions of weightlessness as in the parabolic flight of an aeroplane was determined. Artificial gravity was created in a small size centrifuge which produced radial accelerations varying from 0.05 to 1.0 g. Accelerations of 0.28 to 0.3 g were sufficient for prophylaxis of the unfavourable effect of weightlessness upon the motor reactions of the animals. There are 2 figures and 1 table. English-language references are: Beckh H. J. 1959. Flight experiments about human reactions to accelerations which are followed or preceded by weightlessness. Aerospace medicine, 30, 6, 391-409. Graveline D. F. Balke B., McKensie R., Hartmann B. 1961. Psychobiologic effects of water immersion induced hypodynamics. Aerospace medicine, 32, 5

ASSOCIATION Institut normalnoi i patologicheskoi fiziologii AMN SSSR (Institute of Normal and Pathological Physiology, AMS USSR) Moscow

SUBMITTED February 6, 1962

Card 1/1

SERGIYENKO, A.P., podpolkovnik med.sluzhby; PAVLOV, G.I., mayor med.sluzhby;
LYTKIN, V.V., kapitan med.sluzhby

Using trucks for the transportation of wounded and sick. Voen.-med.
zhur. no.9:94-85 S '59. (MIRA 13:1)
(TRANSPORT OF WOUNDED)

PAVLOV, G.I.; SHVAREV , B.L.

Raised track repair. Put' i put. khoz. no.2:12-16 P '59.
(MIRA 12:3)

1.Nachal'nik distantsii puti, st. Izyum Donetskaya doroga (for
Pavlov). 2.Nachal'nik distantsii puti, st. Sol'vychegodsk Pechor-
skaya doroga (for Shvarev).
(Railroads--Track)

PAVLOV, G.I.

In search of new methods. Put' i put. khoz. no.3:12-14 Mr '58.
(MIRA 11:4)
1. Nachal'nik Izyumskoy opytnoy distantsii puti Donetskoy dorogi,
stantsiya Izyum.
(Railroads--Maintenance and repair)

PAVLOV, G. KHR.

Measuring Small Capacity Condensers. RATIO (Radical) #11:27:Nov 54

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001239

LELLY, G.V. (Lennard) and J. C. LEWIS. 1970. *Periodic Table*.

Determination of the specific conductance of the model. Electrical resistivity of the model.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012396

USOV, S.V., prof.; ROZENBERG, B.I., doktor tekhn. nauk, dotsent; PAVLOV,
G.M., kand. tekhn. nauk, dotsent; SLABIKOV, V.A., kand. tekhn. nauk

Frequency control with allowance for economic distribution of load
in large power systems. Izv. vys. ucheb. zav.; energ. no. 2:1-11
P '58. (MIRA 11:?)

1. Leningradskiy politekhnicheskiy institut im. M.I.Kalinina.
(Electric power plants--Lond)

PAVIC, G.M., kand. tekhn. nauk, dotsent

Comparison of systems of frequency and active power control
in power systems. Izv. vys. ucheb. zav.: energ. no. 1:8-12 Ja '58.
(MIRA 11:7)

1. Leningradskiy politekhnicheskiy institut im. M.I.Kalinina.
(Electric power distribution)

PAVLOV, G.M., (Leningrad) kand. tekhn. nauk; KANTAN, V.V., kand. tekhn. nauk (Leningrad)

Accuracy in the solution of a problem on optimum load distribution. Elektricheskiye sredstva i ya '64.

(MFA 17:6)

USOV, S.V., prof.; PAVLOV, G.M., dotsent; SLABIKOV, V.A., dotsent

Computer for calculating the load distribution in electric power systems with hydroelectric power stations. Elektrichesstvo no.3:24-28 Mr '62. (MIRA 15:2)
(Interconnected electric utility systems)

PAVLOV, G.M.; KAMYSHAN, M.A.

Methods for determining the composition of the industrial
monoethanolamides of fatty acids. Izv. vys. ucheb. zav.; pishch.
tekhn. no.2:163-166 '63. (MIRA 16:5)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra
tekhnologii zhirov.

(Ethanol—Analysis) (Acids; Fatty)

USOV, S.V. (Leningrad); PAVLOV, G.M. (Leningrad); KANTAN, V.V. (Leningrad)

Theoretical premises for optimalizing the operation of an electric power system using electronic analog computers. Izv. AN SSSR. Energ. i transp. no.4:434-442 J1-Ag '63. (MIRA 16:11)

PAVLOV, G.M.; OROBEY, V.G.

Bubble and foam method of whale oil hydrogenation. Izv.vys.-
ucheb.zav.; pishch.tekh. no.4:84-87 '62. (MIRA 15:11)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra
tekhnologii shirov.
(Whale oil) (Hydrogenation)

VAVILOV, A.I.; KARDANOV, V.K.; KOTCHENKO, F.F.; PAVLOV, G.M.

High-speed recording device for electronic analogs. Priborostroenie
no.825-26 Ag '64. (MIRA 17:10)

PAVLOV, G.M., kand. tekhn. nauk, dotsent; FETROVA, S.S., inzh.; KANTAN,
V.V. inzh.

Model of a.d.c. network for the determination of partial specific
losses. Izv. vys. ucheb. zav.; energ. 7 no.111-112 N 164
(MIRA 1881)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina.
Predstavlena kafedroy elektricheskikh stantsiy.

PAVLOV, G.M., kand. tekhn. nauk, dotsent (Leningrad)

Optimum load distribution in unified power systems. Elektrichentvo
no.6:15-18 Je '65. (MIRA 18:7)

VOL'DEK, A.I.; DOMANSKIY, B.I.; DRANNIKOV, V.S.; ZALESSKIY, A.M.;
KAMENSKIY, M.K.; KANTAN, V.V.; KASHKAROV, G.Ye.; KIZEVETTER, Ye.I.;
KLIMOV, A.N.; KOVALEV, N.N.; KOSTENKO, M.P.; KOSTENKO, M.V.;
NEYMAN, L.R.; PAVLOV, G.M.; RAVDONIK, V.S.; RUFIN, Ya.I.;
SIDOROV, M.M.; SHRAMKOV, Ye.G.

Professor Sergei Vasil'evich Usov, 1905- ; on his 70th birthday.
Elektrichestvo no.11:86 N '65. (MIRA 18:11)

PAVLOV, G.M.

Determination of partial unit losses in the optimum distribution of
active loads. Trudy LFI no.242:35-21 '65.

(MIRA 18:8)

KAMYSHAN, M.A.; PAVLOV, G.M.

Kinetics of the amination of fatty acids by monoethanolamine.
Izv. vys. ucheb. zav.; pishch. tekhn. no.4:61-64 '63.
(MIRA 16:11)

1. Krasnodarskiy institut pishchevoy promyshlennosti,
kafedra tekhnologii zhirov.

USOV, S.V. (Leningrad); PAVLOV, G.M. (Leningrad); KANTAN, V.V. (Leningrad)

Solution of a problem on the optimum distribution of loads
using analog computers. Izv. AN SSSR. Energ. i transp. no.6:
667-674 N-D '63. (MIRA 17:1)

8(2)

SOV/112-59-1-623

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 83 (USSR)

AUTHOR: Pavlov, G. M.

TITLE: Comparison Between Frequency Control and Active-Power Control in Power Systems

PERIODICAL: Izv. vyssh. uchebnykh zavedeniy. Energetika, 1958, Nr 1, pp 8-12

ABSTRACT: Schemes of secondary control are compared with the UKAM scheme from the standpoint of possible improvement in the high-speed feature of the control system. The UKAM system has a higher speed because its servomotor is not encompassed by a rigid feedback and its controller sluggishness is negligible. The structures and amount of equipment of the systems being compared are considered almost equal. The secondary-control system is recommended for use in large power systems, while the UKAM system is recommended for the case of frequency control by one generating station of the power system where accurate synchronization is ensured by some means.

V.V.I.

Card 1/1

USOV, S.V., prof.; PAVLOV, G.M., kand.tekhn.nauk; SLABIKOV, V.A., kand.
tekhn.nauk; BUDKIN, I.A., inzh.

Automatic device for load distribution in power systems. Elektri-
chestvo no.4:47-51 Ap '60. (MIRA 14:4)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina.
(Electric power distribution) (Automatic control)

PAVLOV, G.M.; OROBEY, V.G.

Reesterification of whale oil. Izv.vys.ucheb.zav.;pishch.
tekhn. 1:45-49 '61. (MIRA 14:3)

1. Krasnodarskiy institut pishchevoy promyshlennosti, Kafedra
tekhnologii pererabotki shirov.
(Whale oil)

VINOKUROV, Petr Stepanovich; PAVLOV, G.M., red.; SHENTSIS, Ye.M.,
red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Technical maintenance of punched card machines; auxiliary
equipment] Tekhnicheskoe obsluzhivanie schetno-perforatsionnykh
mashin; vspomogatel'noe oborudovanie. Moskva, Gosstatizdat,
1961. 399 p. (MIRA 15:6)

(Punched card systems)

PAVLOV, G.M., inzh.

Mechanization of the cutting of soap bars. Mekh. i avtom. proizv. 15
no. 3:46 Mr '61. (MIRA 14:3)
(Soap industry—Technological innovations)

PAVLOV, G.M.

[Plastic anatomy] Plasticheskaya anatomia. Izd. 2. Moskva, 1954.
(MIRA 11:1)
(ANATOMY, ARTISTIC)

Pavlov, G.M.

USSR/Chemical Technology - Chemical Products and Their
Application - Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

I-29

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33118

Author : Pavlov, G.M.

Inst : _____

Title : Dyeing of Leather in the Drum and by Coating.

Orig Pub : Legkaya prom-st', 1955, No 9, 31-34

Abstract : The advantage of dyeing by coating, over drum-dyeing, resides in the fact that the same coating solution of dyestuff can be used to dye leather tanned by any method. Moreover drum-dyeing is uneconomical since 60-70% of the dye are taken up by the flesh side of the leather. On finishing of leather with an artificial surface 80-90% of the dye are lost during ironing. It is proposed to abandon drum-dyeing. To increase the adhesion of the film it is proposed to carry out a slight ironing of

Card 1/2

USSR/Chemical Technology - Chemical Products and Their
Application - Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

I-29

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 35118

face surface, then a primer coating with an acrylic or nitro-aqueous emulsion, containing 5-6 g/liter of synthetic dyestuff. Color of cover dyeing is matched with the coloration of face surface after priming. This procedure results in considerable savings of dyestuff. Adhesion of the film (applied to the surface of undyed leather) to the leather should be stronger than the intercohesion of the deeper layers of the leather. The pigments should have a high covering capacity and the film -- a high elasticity.

Card 2/2

PAVLOV, Grigoriy Mikheylovich; RODIONOVA, Z.A., red.; ZYKINA, T.N.,
tekhn.red.

[Reading sketches by the method of modelmaking] Chtenie
chertezhei metodom modelirovaniia. Izd.2., perer. Moskva,
Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1961. 62 p.
(MIRA 15:4)
(Mechanical drawing)

ACC NR: A6013617

SOURCE CO. #: UK/0101/05/11/22/1965/...

AUTHOR: Vol'dek, A. I.; Domanskiy, B. I.; Drannikov, V. S.; Zalesskiy, A. M.; Kamenskiy, M. K.; Kantan, V. V.; Kasikarov, G. Ye.; Kizevetter, Ye. I.; Klimov, A. N.; Kovalev, N. N.; Kostenko, M. P.; Kostenko, M. V.; Neyman, L. R.; Pavlov, G. M.; Ravdonik, V. S.; Ruzin, Ya. L.; Sidorov, M. M.; Shramkov, Ye. G.

ORG: none

TITLE: Professor Sergey Vasil'yevich Usov, on his 60th birthday

SOURCE: Elektrичество, no. 11, 1965, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric power plant

ABSTRACT: The noted Soviet power specialist Professor S. V. USOV, who was 60 years old last September, graduated from the Leningradskij elektrotehnicheskiy institut (Leningrad Electrotechnical Institute) in 1930 and then, for the next twenty years, worked for the Lenenergo power system of which he became chief engineer in 1939. During the blockade of Leningrad he was head of the group which in 45 days managed to connect the beleaguered city with the Volkovskaya hydroelectric station across the frozen Ladoga lake. He also carried out the adaptation of the boilers of the Leningrad thermal power plant to consume the locally available fuel. In 1949 he became professor and head of the Department of Electric Stations.

Cord 1/2

UDC: 621.311.1

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ACC NR: AP6013617

of the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute) im. Kalinin. In addition to his fruitful pedagogical endeavors, he published 50 scientific papers. From 1955 to 1958 he was a deputy director for scientific work. In 1964 he was elected Dean of the Electromechanical Faculty of the Institute. He joined the Party in 1942; from 1943 to 1955 was deputy president of the central board of the NTOEP /Nauchno-tekhnikeskoye obshchestvo energeticheskoy promyshlennosti; Scientific Engineering Society of Power Industries/, president of the section of power systems of NTOEP, and member of numerous scientific-engineering councils. For many years he was a member of the editorial board of the journal Elektricheskiye stantsii (Electric Stations). For his contributions in the field of power engineering S. V. USOV was awarded the Order of Lenin, Order of Red Banner of Labor, Order of Red Star, Badge of Distinction, and the medals: "For the Defense of Leningrad" and "For Distinguished Service During the Patriotic War." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Cord 2/2 BAG

USOV, S.V., prof. (Leningrad); PAVLOV, G.M., kand. tekhn. nauk
(Leningrad); KANTAN, V.V., inzh. (Leningrad); PETROVA, S.S.,
inzh. (Leningrad); STEPANOV, B.N., inzh. (Leningrad)

Solution of a problem on optimum load distribution using the
ANRAN-1V computer. Elektrichestvo no.2:24-27 P '64.
(MIRA 17:3)

PAVLOV, G. M., ENG.

Electric Currents, Alternating

An arrangement that reacts on the rate of frequency variation. Elek. sta. 23, no, 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~12~~ Uncl.

1. PAVLOV, G. M., ENG.
2. USSR (600)
4. Dynamos
7. Device for registering increases in active capacity of a generator. Elek. sta., 23, no. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SOV/105-58-8-13-21

AUTHORS: Usov, S. V., Pavlov, G. M., Shirshov, P. L.

TITLE: Frequency and Output Control With Additional Action From
the First Derivative of Deviation (Regulirovaniye chastoty
i moshchnosti s dopolnitel'nym vozdeystviem pervoy proiz-
vodnoy otkloneniya)

PERIODICAL: Elektrichestvo, 1958, Nr 8, pp. 69 - 74 (USSR)

ABSTRACT: At the Leningrad Polytechnical Institute a frequency control was elaborated. It secures the control according to the law expressed by the formula given (3). It was produced at the Laboratory of Automation of the Lenenergo and was installed for two aggregates of one of the hydroelectric power stations of the Lenenergo. The frequency measuring element consists of two resonance circuits I and II, with a resonance frequency of 46 cycles and 54 cycles. The tuning is arranged in such a way that at 50 cycles the voltages taken from both circuits are the same and $U_{\text{output}} = 0$. In the case of a deviation of the frequency of the supply voltage from 50 cycles a d.c. voltage U_{output} occurs which is proportional to Δf .

Card 1/4

Frequency and Output Control With Additional Action From the First Derivative
of Deviation SOV/105-58-8-13/21

The output indication element is designed on the basis of a phase-sensitive circuit and transforms the deviation of the effective current component from the desired value to the d.c. voltage. To increase the rapid effect and to secure the regulation stability an additional action from the first derivative of the magnitude to be regulated (according to the frequency and effective output variation velocity) was introduced to the regulator of the Leningrad Polytechnical Institute. For this purpose differential condensers C_5 and C_8 were used. An intermediate amplifier of the control equipment is constructed with the electron tube L_1 , and the power element with the thyratrons L_2 and L_3 . The theoretical and experimental investigations of the frequency and effective output control (Refs 1 and 2) showed that the first derivative is an effective means for the stabilization of the control process. In this case the control rule reads according to formula (4). The frequency control device is of a secondary type and displays its effect on the aggregate through the speed control of the turbine (primary regulator). The basic parameter of the latter is the isodrome time constant T_u . On the connection of the secondary regulator the iso-

Card 2/4

Frequency and Output Control With Additional Action From the First Derivation
of Deviation SOV/ Oct-58-A-1470

Card 3/4

drome time constant T_u must be practically decreased to zero. The influence exerted by a decrease of T_u on the regulation process as well as that of the introduction of the first derivation into the regulation rule are shown. - Based on the investigation carried out of the frequency and output control the following is found: 1) A high-grade frequency and output control can be obtained only when the parameters of the secondary and primary control agree concerning the conditions of their common operation. The basic parameter of the speed control of a water turbine which has to be changed on the connection of the secondary regulator to the speed regulator is T_u . 2) In controlling the frequency and the output the additional effect from the derivation combined with a decrease of T_u makes possible an acceleration of the control process, the stability being maintained. 3) The increase of the control velocity up to 40 - 50 MW/min obtained in the experiments with two aggregates does not represent any limit. It may also be assumed that in the case of a correct selection of T_u and of the amplification factor from the first

Frequency and Output Control With Additional Action From the First Derivative
of the Intake

SOV/105-58-8-13,21

derivation the velocity of load intake may be increased to 80 - 100 MW/min, which is demanded in modern large-scale power engineering systems. There are 10 figures and 2 references, 1 of which is Soviet.

SUBMITTED: June 21, 1957

1. Frequency--Control systems
2. Frequency--Measurement
3. Control systems--Circuits
4. Electrical equipment--Test results

Card 4/4

PAVLOV, G.M.; PODDUBNYY, V.I.

Effect of the hydrogenation temperature of soybean oil on the formation of unsaturated, fatty acid position isomers. Izv.vys.ucheb. zav.; pishch.tekh. no.5:42-48 '60. (MIRA 13:12)

1. Krasnodarskiy institut pishchevoy promyshlennosti. Knfedra pererabotki zhirov.
(Soybean oil) (Hydrogenation) (Acids, Fatty)

PAVLOV, G. M.

USER/Electricity - Generators,
Hydroelectric Jun 53

"Investigation of the Regulation of Frequency and
Active Power on an Electrodynamic Model of a
Hydroelectric Generator Unit," Engr G.M. Pavlov,
Leningrad Polytech Inst im Kalinin

Elektrichestvo, No 6, pp 9-13

Describes (giving graphs, sketches, oscillograms,
photo) elec model of hydroelec generator unit.
Exams regulation of frequency and active power
making use of auxiliary action of deriv of value
being regulated. Submitted 26 Jun 52.

268T51

PAVLOV, G.M.

Removal of the difference in color between the epidermis and the
grain. Leg.prom. 14 no.8:16-17 Ag '54.
(Hides and skins) (MLRA 7:8)

PAVLOV, G.M., inzhener.

Leather staining or drum dyeing. Leg.prom. 15 no.9:31-34 S 135.
(Dyes and dyeing--Leather) (MIRA 9:1)

PAVLOV, G.M.; KAPUSTINA, V.S., redaktor; SHIKIN, S.T., tekhnicheskiy
redaktor

[Use of the construction method in reading mechanical drawings]
Chtenie chertezhei metodom konstruirovaniia. Posobie dlia uchitelei
srednei shkoly. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva
prosveshcheniya RSFSR, 1953. 55 p.
(Mechanical drawing) (MLRA 7:11)

PAVLOV, G.M.

[Human anatomy; textbook for pedagogical institutes] Anatomia cheloveka, posobie dlja pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog. izd-vo, 1952. 471 p. (MLRA 7:3)
(Anatomy, Human)

PAVLOV, G.M.; PODDUBNYI, V.I.

Positional isomerization of fatty acids with the interaction of
fat and alkali. Izv. vys. ucheb. zav.; pishch. tekhn. no.3:132-
134 '60.
(MIRA 14:8)

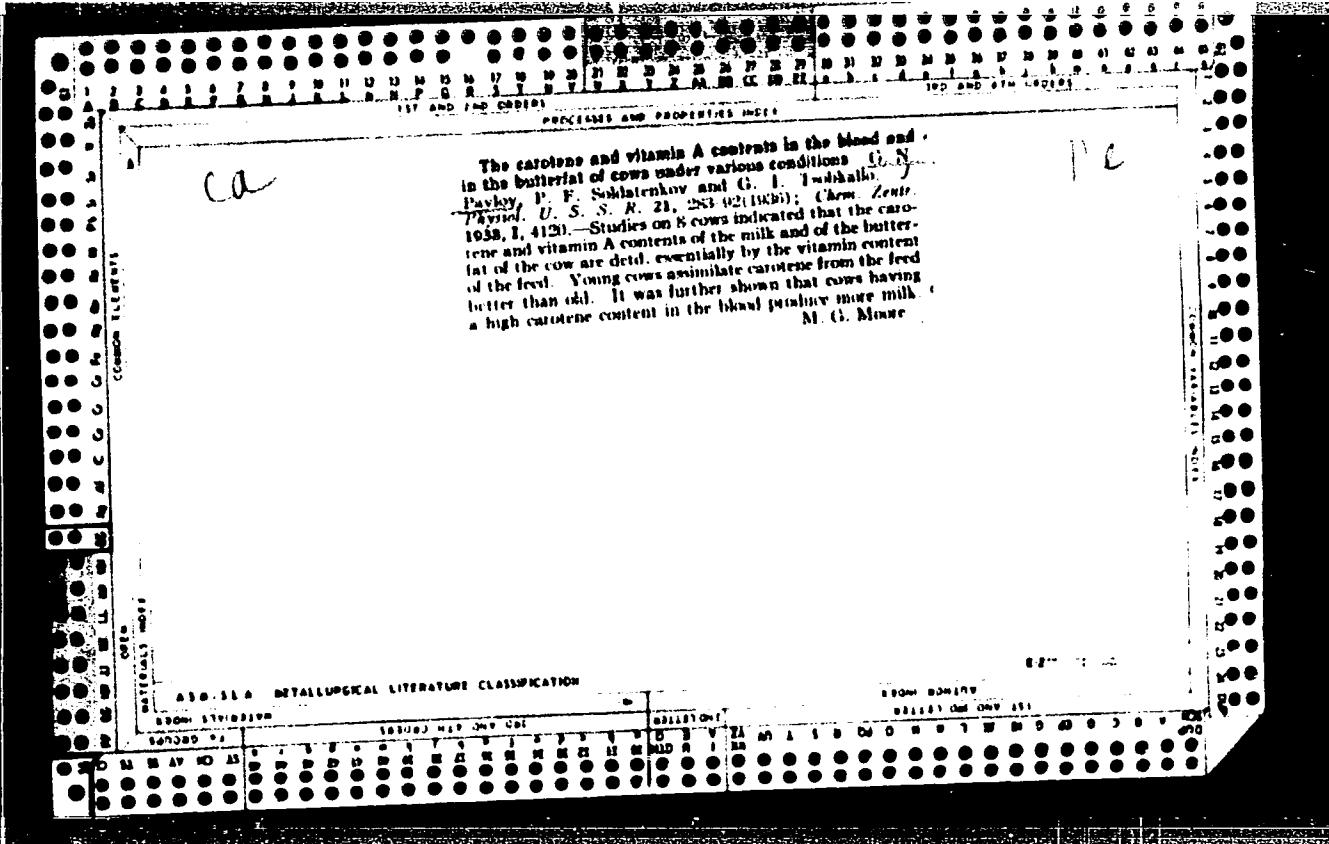
1. Krasnodarskiy institut pishchevoy promyshlennosti, Kafedra
pererabotki zhirov.

(Acids, Fatty) (Isomerization)

PAVLOV, G.M., docsent (Leningrad)

Alternative in differential transformer protection using
semiconductors. Elektricheskiye no.12:74-76 D '64.

(MIRA 18:12)



PAVLOV, G. N.

A. P. Yeliseyev. Osnovy anatomii i fiziologii sel'skokhozyaystvennykh zhivotnykh (Principles of Anatomy and Physiology of Farm Animals). Moscow-Leningrad. Sel'khozgiz. 1950. 56 pages with illustrations. Also in the Latvian language.

U-5235

1. 124

PAVLOV, G. N.

"Neuroregulation of Motor Function of the Breast; Storage and Output of Milk." (pr. 453-39)
by Baryshnikov, I. A., Zaks, M. G., Zotikova, I. N., Levitskaya, E. S., Pavlov, G. N.,
Pavlov, E. F., Tverskoi, G. B., Tokbukhin, V. I, and Tsakhaev, G. A.

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. 12, No. 6, (Nov-Dec) 1951.

BARYSHNIKOV, I.A.; BORSUK, V.N.; ZAKS, M.G.; ZOTIKOVA, I.N.; PAVLOV, G.N.; TOLBUKHIN,
V.I.

Neuroregulation of function of the mammary gland. Zh. obsh. biol., Moskva
14 no.4:257-274 July-Aug 1953.
(CLML 25:1)

1. Laboratory of the Physiology of Agricultural Animals of the Institute
of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

PAVLOV, Grigoriy Nikiforovich.

Leningrad Agricultural Inst. Academic degree of Doctor of Biological Sciences, based on his defense, 17 December 1954, in the Council of the Inst of Physiology imeni Pavlov, Acad Sci USSR, of his dissertation entitled: "Role of the Nervous System in the Activity of the Milk Gland."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 13, 4 June 55, Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

PAVLOV, G. N.

1369

Rlo' nervnysistemy V deyatel'nosti molochnoy zhelezы: L. 1754 . 23 s. 19 sm. (akad. nauk. SSSR. In-t Fiziologii im I. P. Pavlova. Labortoriya Fiziologii s.-kh Zhivotnyks) 100 ekz. B. ts. -(54-521 16)

SO: Knizhaya Letopis', vol. 1, 1955

PAVLOV, G.N.

Analysis of the lactation reflex in goats through local hypothermia
of the spinal cord. Trudy Inst. fiziol. 4:17-21 '55. (MLRA 9:4)

1.Laboratoriya fizielegii sel'skokhozyaystvennykh zhivotnykh Zaveduyu-
shchiy I.A.Baryshnikov.
(Spinal cord) (Lactation) (Reflexes)

PAVLOV, G.N.

Method for studying neural regulation of milk secretion. Trudy
Inst.fiziol. 4:132-135 '55.
(MLRA 9:4)

1.Laboratoriya fiziolegii sel'skokhezyaystvennykh zhivotnykh.
Zaveduyushchiy I.A.Baryshnikov.
(Lactation) (Physiological apparatus)

YELISEYEV, A.P.; PAVLOV, G.N.

Anatomical and histological investigations of the innervation of mammary glands in the cow and goat. Trudy Inst.fiziol. 4:136-144 '55. (MIRA 9:4)

1.Kafedra anatomii i fiziologii Leningradskogo sel'skokhozyaystvennogo instituta, zaveduyushchiy G.N.Pavlov, i laboratoriya fiziologii sel'skokhozyaystvennykh zhivotnykh Instituta fiziologii imeni I.P.Pavlova, zaveduyushchiy I.A.Baryshnikov. (Udder--Innervation) (Cows) (Goats)

AVERKIYEV, Vladimir Pavlovich; KAUFMAN, A.L., retsenzent; LADE,
B.F., retsenzent; PAVLOV, G.N., retrenzent; NAZAROV,
V.Ye., nauchn. red.; STRELTSOV, K.A., nauchn. red.;
KLIMINA, Ye.V., red.izd-va; KRYAKOVA, D.M., tekhn. red.

[Fish location and electronavigation equipment on ships]
Sudovye rybopoiiskovye i elektronavigatsionnye pribory.
Leningrad, Sudpromgiz, 1963. 31 p. (MIRA 16:12)
(Trawls and trawling—Equipment and supplies)
(Electricity in navigation)

PAVLOV, Grigoriy Nikiforovich, prof.; NIKITIN, Petr Ivanovich; BRESLAV,
Isaak Solomonovich; PARSADANOVA, K.G., red.; GARINA, T.D.,
tekhn. red.

[Course in animal physiology] Praktikum po fiziologii zhivotnykh.
Pod red. G.N.Pavlova. Moskva, Gos. izd-vo "Vysshiaia shkola,"
1961. 258 p. (MIRA 15:5)
(Physiology)

PAVLOV, G.N.

Monuments of a vanished civilization. Nauka i zhizn' 2⁶
no. 2:77-79 F '61. (MIRA 14:2)

1. Katedra arkitektury Gor'kovskogo inzhenerno-stroitel'nogo
instituta imeni V.P. Chkalova.
(Chuvashia—Slavic antiquities)

Pavlov G.N.

AUTHOR: Pavlov, G.N., Secretary of the VLKSM Committee 3-9-18/31

TITLE: Students Projects Are Used by Kolkhozes and Sovkhozes (Studencheskiye proyekty - v kolkhozy i sovkhozy)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 9, pp 70 - 72 (USSR)

ABSTRACT: The author describes the planning and construction of a club building by students of the Gor'kiy Institute of Construction Engineering for the use of the Lyubomovskiy Sovkhoz. Students worked in the brick-yard at the Kolkhoz imeni Kalinin to supply the necessary quantity of bricks. The VLKMS Committee intends to enrol students for practical projects on a large scale. For this purpose proposals were made to kolkhozes offering the construction of buildings. As a result kolkhozes are starting to address their requests to the institute. This method will be a very economical one: kolkhozes will obtain the technical documentation free of charge and the work will be carried out by well trained students. There are 2 photographs.

ASSOCIATION: Komitet VLKSM Gor'kovskogo inzhenerno-stroitel'nogo instituta (VLKSM Committee of the Gor'kiy Institut of Construction Engineering)

AVAILABLE: Library of Congress
Card 1/1

FEDOROVA, V.V.; PAVLOV, G.P.; SINOVICH, I.D.

Preparation of 1,2,6-hexanetriol from acrolein. Neftekhimiia 3
no.2:259-266 Mr-Ap '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov
i organicheskikh produktov.
(Hexanetriol) (Acrolein)

PAVLOV, G.P.

ca

Selenium rectifiers. A. Z. Levinzon and G. P. Pavlov. J. Tech. Phys. (U.S.S.R.) 10, 1837-40 (1940). — A method for the prep'n. of Se rectifiers and their elec. characteristics are described. Rokhman Gamov

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012396

PAVLOV, G.S., YEGOROV, V.I.

Cultivation of microorganism under gas recirculation. Antibiotiki,
3 no.3:100-103 My-Je '58 (MIRA 11:7)
(MICROORGANISMS, culture
in gas recirculation phase (Bus))

PAVLCOV, E. S.

Thermomechanical investigations of portland cement.
 G. S. Pavlov and V. A. Nagoreva. *Zhurnal Russkogo Khimicheskogo Sojedineniya*, 1937, No. 9, p. 10-15 [BZhS]. A new calorimeter for determin. of heat of sintering of portland cement consists of a 16-ml. flask closed with a rubber stopper to eliminate the evapn. of water. No stirrers are used, the liquid being stirred by inclining the vessel with the hand. The const. of the app. was determined with the aid of $KClO_3$. For the determin. of heat of sintering of portland cement their solns. in HCl were investigated. For $Ca(OH)_2$ the value of 555.6 cal. was obtained.
 R. E. Stefanowsky

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012396

ea

Action of the lipotropic factor of the pancreas on the lipids and glycogen content in rat liver in experimental adipotrophic fat infiltration. I. G. T. Pavlov (All Union Inst. Kepit. Endocrinol., Moscow). *Bull. Exp. Biol. Med.* 23, 334-7 (1947).—Introduction of the lipotropic pancreatic factor under conditions of fat infiltration of the liver is characterized by partial (av. 20.5%) lowering of triglycerides and fatty acids, increase of glycogen (from 4.1-7.0% to 11.05-11.9%) and no appreciable change in the phospholipids of the liver. The lipotropic factor was prepd. by the method of Entenman, Chaikoff and Montgomery from cattle pancreas and was administered in 45-120-mg. doses; the only modification in the R.C. and M prepns. was extra of the final product with EtO to insure fat removal. The animals were kept on the adipotrophic diet of Best (5% casein, 40% fat (sunflower oil), 48% glucose, 2% agar, 4% salt mixt.; 10 g. per day for 10 days).

III-H

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012396

116

ca
Pathogenesis of adipotropic fatty infiltration of the liver.
S. M. Leites and G. T. Pavlov (All Union Inst. Bioph. Endocrinol., Moscow). *Byull. Eksp. Biol. Med.* 24, 211-15 (1947). — In rats expts. on a fat-rich diet poor in casein, the fatty liver infiltration is characterized almost exclusively by an increase of triglycerides and fatty acids; the cholesterol changes slightly and phospholipides are unchanged. Increase of the casein to 20% of the diet reduces the amt. of liver triglycerides and fatty acids, but does not bring them to normal levels. Increase of casein from 20% to 35% on a fat-poor, carbohydrate-rich diet has an effect very similar to the above. The fatty liver infiltration of this type is not connected with variation of liver glycogen.
G. M. Koolapoff

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

EDITION NUMBER

E-Z CARD NUMBER

EDITION NUMBER

EDITION NUMBER